

**Professional Technical  
Trade & Industry**  
Grade 7 - 12

Contract Period 8/31/04 – 9/1/08

Publisher	Title of Material	Author	Copyright	Grade Level	R=Resource
<b>CEV MultiMedia</b> (Internet course-based curriculum)	<b>Welding Technology</b>	<b>CEV Multimedia</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: <i>Internet course-based curriculum.</i> Step-by-step instructions guide you to the area on the website for multimedia courses.				
	Teacher Resource Guide				
	Supplements				
<b>Encyclopedia Britannica, Inc.</b> (Interim 1 – 2004)	<b>Encyclopedia Britannica Online School Edition</b>	<b>Encyclopedia Britannica, Inc.</b>	<b>2004</b>	<b>6-12</b>	
	Key Features: Four encyclopedias that are geared for all levels of reading with 123,000 articles and 27,000 images and video clips including coverage of Science topics. Plus, the Britannica Internet Guide offers access to the best sites available on the Web, chosen based on their educational value with an emphasis on curriculum-based content. Learning Materials and Teacher Resources that include more than 450 interactive guides to incorporate core content areas into the classroom. Science topics include Biology, Earth and Space Science, Life Sciences, and Physics. Core concept reviews, student activities, images, and Web links are included. Other features include a World Atlas with detailed maps of more than 200 countries, all U.S. states, and all Canadian provinces, a student dictionary and thesaurus, interactive historical timelines, and videos and multimedia. Journals and magazines provide up-to-date information about classroom concepts and current events.				
<b>Glencoe / McGraw Hill</b> (Interim 1 - 2004)	<b>Introduction to Computer Science using Java</b>	<b>Liberty, et al</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Offers advanced placement opportunities. Provides students with a highly visual way of learning Java programming. Begins with an introduction to computer concepts, classes, and program structures; then moves to object-oriented programming, arrays, and collections. Advanced topics also included.				
<b>Glencoe / McGraw Hill</b> (Interim 1 - 2004)	<b>Introduction To Networks &amp; Networking</b>	<b>Fortier, et al</b>	<b>2005</b>	<b>9-12</b>	
	Key Features: A complete guide that describes types of networks, how networking affects society, and the components and tools that are used to create networks in various business models. Special features include step-by-step exercises, standards-aligned content and activities, projects, cross curricular exercises, feature article and career links. The text provides real-world explanations and approaches along with hands-on applications and purposeful projects. Included are topics such as networking careers, ethics, and practical tips for improving productivity. The companion Web Site includes student projects, interactive activities, self-assessments, support files, resource links, and video clips that give students live demonstrations of networking concepts.				
<b>Glencoe / McGraw Hill</b> (Interim 1 - 2004)	<b>Introduction To Multimedia</b>	<b>Solomon</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Contains hands-on activities that show students what multimedia really is. Team projects provide students with hands-on experience of how a multimedia program comes together, from discussing project goals and varying team-member roles, to how to organize and create a project from start to finish.				
<b>Glencoe / McGraw Hill</b> (Interim 1 - 2004)	<b>Introduction To Networks &amp; Networking</b>	<b>Fortier, et al</b>	<b>2005</b>	<b>9-12</b>	
	Key Features: A complete guide that describes types of networks, how networking affects society, and the components and tools that are used to create networks in various business models. Special features include step-by-step exercises, standards-aligned content and activities, projects, cross curricular exercises, feature article and career links. The text provides real-world explanations and approaches along with hands-on applications and purposeful projects. Included are topics such as networking careers, ethics, and practical tips for improving productivity. The companion Web Site includes student projects, interactive activities, self-assessments, support files, resource links, and video clips that give students live demonstrations of networking concepts.				
<b>Glencoe / McGraw Hill</b> (Interim 1 - 2004)	<b>Introduction to Computer Science using Java</b>	<b>Liberty, et al</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Offers advanced placement opportunities. Provides students with a highly visual way of learning Java programming. Begins with an introduction to computer concepts, classes, and program structures; then moves to object-oriented programming, arrays, and collections. Advanced topics also included.				
<b>Glencoe/McGraw-Hill</b>	<b>Automotive Excellence, Volume 1</b>	<b>Glencoe</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Text designed to meet both the technical and academic standards as defined by the National Automotive Technicians Education Foundation (NATEF), the organization that oversees ASE (Automotive Service Excellence) Certification. The program focuses students' education and training on the necessary technical skills and correlated communication, mathematics and science knowledge necessary to pass the ASE Certification tests.				
	Instructor Resource Guide (Free: 1:30 Student Editions Purchased)				
	<b>Automotive Excellence, Volume 2</b>	<b>Glencoe</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Text designed to meet both the technical and academic standards as defined by the National Automotive Technicians Education Foundation (NATEF), the organization that oversees ASE (Automotive Service Excellence) Certification. The program focuses students' education and training on the necessary technical skills and correlated communication, mathematics and science knowledge necessary to pass the ASE Certification tests.				
	Instructor Resource Guide (Free: 1:30 Student Editions Purchased)				

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Glencoe/McGraw-Hill	<b>Basic Technical Drawing</b>	<b>Spencer, et al</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Introductory high school drafting text which offers a simple, straightforward way of explaining drafting operations. It provides a large number of drafting problems that are based on real-world industrial applications. There are two chapters on computer-aided drafting (CAD) but most of the text emphasizes board drafting.				
	Instructor Resource Guide (Free: 1:30 Student Editions Purchased)				
	<b>Carpentry &amp; Building Construction</b>	<b>Feirer, et al</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Comprehensive carpentry textbook. The focus is on residential construction, but many of the same procedures also apply to light commercial construction. The text provides detailed, heavily illustrated information about materials, tools and processes, with many step-by-step procedures.				
	Instructor Resource Guide (Free: 1:30 Student Editions Purchased)				
	<b>Project Based AutoCAD®</b>	<b>Manning</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Incorporates full-length projects from industry to teach students how to apply AutoCAD® in the real world. Students work through the entire planning and drawing process to create working drawings using AutoCAD. A Portfolio Project that parallels each major project in the book provides additional practice and helps build student drawing portfolios.				
	Instructor Resource Guide (Free: 1:30 Student Editions Purchased)				
	<b>Technology: Today and Tomorrow</b>	<b>Brusic, et al</b>	<b>2004</b>	<b>9-12</b>	
Goodheart-Willcox	Key Features: Technology literacy textbook for high school. It uses the systems approach (input, process, output, feedback) to inform students about communication and bio-related technology. Provides information about the history and evolution of technology; the characteristics of technology; and its impact on our society, culture, economy, politics and environment.				
	Teacher Annotated Edition (Free: 1:30 Student Editions Purchased)				
	<b>Modern Carpentry</b>	<b>Wagner &amp; Smith</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Detailed coverage of all aspects of light frame construction, including site preparation and layout; foundations; framing; sheathing; roofing; windows and doors; exterior finish; stairs; cabinetwork and interior wall, floor, and ceiling finish.				
	Workbook				
	Instructor's Manual				
	Teacher's Resource Binder				
	GW Test Creation Software				
	<b>Modern Masonry</b>	<b>Kicklighter</b>	<b>2002</b>	<b>9-12</b>	
	Key Features: Provides a broad understanding of materials and their properties. Covers all important aspects of the masonry trade – thoroughly illustrated.				
	Job Practice Manual				
	Instructor's Manual				
	<b>Modern Residential Wiring</b>	<b>Holzman</b>	<b>2002</b>	<b>9-12</b>	
	Key Features: Clear, concise writing style reinforced with over 700 photos and drawings. Strong emphasis on safety from the “know why” and “know how” aspects. Color coding used for the wiring of common electrical circuit components.				
	Workbook				
	Instructor's Manual				
	<b>Modern Welding</b>	<b>Althouse, Turnquist, Bowditch</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Content correlates with AWS Standard QC10-95, Specification for Entry Level Welders. Strong emphasis is given to ventilation and respiratory protection. Unique color coding of illustrations leads to a clearer understanding of processes, materials, and equipment.				
	Laboratory Manual				
	Instructor's Manual				
	GW Test Creation Software				
	<b>Modern Woodworking</b>	<b>Wagner &amp; Kicklighter</b>	<b>2000</b>	<b>9-12</b>	
	Key Features: Scope of the book includes coverage of residential construction applications, cabinetmaking, and basic furniture making. Introduces characteristics and safe practices for various hand tools, power tools, large woodworking machines, and automated industrial machines. Color illustrations throughout the book, including a photographic galler displaying 59 species of wood.				
	Workbook				
	Instructor's Guide				

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Goodheart-Willcox	<b>Small Gas Engines</b>	<b>Roth</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Logical procedures for troubleshooting and repairing major systems. Information on small gas engine applications, career opportunities, and Outdoor Power Equipment (OPE) Technician Exams. Updated information on small engine emission control systems.				
	Workbook				
	Instructor's Manual				
	<b>Computer Service and Repair</b>	<b>Roberts</b>	<b>2003</b>	<b>9-12</b>	
	Key Features: Heavily illustrated with numerous photos and screen captures. Chapters include tips for the A+ Certification exams and a list of suggested Web addresses for the latest information.				
	Laboratory Manual				
	Instructor's Manual				
	Instructor's CD-ROM				
	<b>Electricity and Electronics</b>	<b>Gerrish, Dugger, &amp; Roberts</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Experiments are included in numerous chapters with step-by-step instructions. Projects are provided for a number of chapters with complete parts lists and schematics. Sidebars feature modern, real-world applications of the electrical concepts being presented.				
	Workbook				
	Study Guide with Laboratory Activities				
	Instructor's Manual				
	Electricity and Electronics Interactive Software				
	<b>Graphic Communications</b>	<b>Prust</b>	<b>2003</b>	<b>9-12</b>	
	Key Features: Covers electronic applications in all areas of graphic communications from computer-based text generation and page composition to digital presses. Includes chapters on electronic prepress and digital printing, digital image capture, color management, flexographic printing, and the business of printing. Correlated with National skills Standards in Graphic Communications.				
	Workbook				
	Instructor's Manual				
	<b>Technology</b>	<b>Wright</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Fully correlated with the new national Standards for Technological Literacy. Introduces the problem solving and design process with special emphasis on the testing, evaluating, and communicating of design solutions.				
	Student Activity Manual				
	Teacher's Wraparound Edition				
	Teacher's Manual				
	Teacher's Resource Binder				
	Teacher's Resource CD				
	<b>Technology: Design and Applications</b>	<b>Wright &amp; Brown</b>	<b>2004</b>	<b>7-12</b>	
	Key Features: <i>Technology Explained</i> features briefly explain how a common technological device or system works. <i>Did You Know?</i> features in every chapter provide interesting bits of trivia related to the content being presented.				
	Student Activity Manual				
	Teacher's Wraparound Edition				
	Teacher's Resource Binder				
	Teacher's Resource CD				
	<b>Video: Communication &amp; Production</b>	<b>Stinson</b>	<b>2002</b>	<b>6-12</b>	
	Key Features: Provides hundreds of instructional photos created specifically for use in this book. Includes clear, easily understood definitions of important technical and production terms. Presents numerous diagrams and line art illustrations to clarify video concepts or procedures.				
	Textbook				

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<b>Goodheart-Willcox</b>	<b>Architectural AutoCAD</b>	<b>Madsen &amp; Palma</b>	<b>2002</b>	<b>9-12</b>	
	Key Features: No Brief Form provided with information.				
	<b>Architecture: Residential Drafting and Design</b>	<b>Kicklighter</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: No Brief Form provided with information.				
	<b>AutoCAD and It's Applications - Basics</b>	<b>Shumaker &amp; Madsen</b>	<b>2002</b>	<b>9-12</b>	
	Key Features: Addresses many drafting disciplines including mechanical drafting, architecture, electrical and electronics drafting, civil drafting, piping, and graphic design. Heavily illustrated to make learning easy. Exercises throughout chapters reinforce AutoCAD concepts.				
	Instructor's CD-ROM				
	<b>Modern Automotive Technology</b>	<b>Duffy</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Layout contains many color photographs and illustrations. Clearly marked warnings and cautions alert students to unsafe practices. "Tech Tips" provide supplemental information about the system or procedure being explained.				
	Workbook				
	Instructor's Manual				
	Teacher's Resource Binder				
	GW Test Creation Software				
	Instructor's Resource CD				
	PowerPoint Presentations				
	<b>Modern Metalworking</b>	<b>Walker</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Safety information is highlighted throughout. Metalworking projects included in the text and Instructor's Manual. Research and development activities for each chapter.				
	Workbook				
	Instructor's Manual				
	<b>Modern Refrigeration and Air Conditioning</b>	<b>Althouse, Turnquist, &amp; Bracciano</b>	<b>2000</b>	<b>9-12</b>	
	Key Features: Progresses from basic to advanced principles using understandable terminology. Includes current information of the EPA rules, regulations, and guidelines. Chapters are divided into smaller self-standing modules for ease of use.				
	Study Guide				
	Laboratory Manual				
	Instructor's Manual				
	Teacher's Resource Binder				
	GW Test Creation Software				
	Instructor's Resource CD				
	PowerPoint Presentations				
<b>Pearson / Prentice Hall</b> (Interim 1 – 2004)	<b>Criminalistics: An Introduction to Forensic Science</b>	<b>Saferstein</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: DNA Profiling technologies. STR and mitochondrial DNA, DNA typing, automated firearms, search systems, and digital imaging techniques. Minimum of scientific terminology. Introduces forensic science to students with no scientific background. Nature of physical evidence emphasized. Introduces students to forensic analysis and the proper procedures for collection and preservation of evidence at crime scenes. Meaning and role of probability. Introduces students to probability's role in interpreting evidential significance of scientifically evaluated evidence. Actual cases enable students to see the role of forensic science in criminal investigations, and highlights the integral part of forensic science plays in modern criminal investigations.				
	Instructor's Resource Manual				
<b>Pearson / Prentice Hall</b> (Interim 1 - 2004)	<b>Discovering AutoCAD 2004</b>	<b>Dix/Riley</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Activity based and task oriented—Tasks are identified clearly at the beginning of each chapter and carefully sequenced so that students progress logically through the AutoCAD command set. Highlighted instructions—All instructions are clearly marked with an arrow and set in a different typeface to distinguish them from discussion statements. Substantive drawings—In each chapter. The drawings are clearly dimensioned and related through drawing suggestions to techniques introduced in the chapter.				
	Instructor's Manual				

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Pearson / Prentice Hall (Interim 1 - 2004)	<b>The AutoCAD Book: Drawing, Modeling and Applications Using AutoCAD 2004</b>	<b>Kirkpatrick</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Printing and plotting features—Shade Plot option allows rendered drawings to be printed directly from AutoCAD—no .plt file needed. Make printing and plotting much easier—using the new AUTOCAD features. Design—More open design with new color. Makes book more accessible and user friendly. Introduces the redesigned AutoCAD Design Center—This feature has a multitude of 2D and 3D drawings and other features. Can be used by the student in the construction of drawings and models.				
	Instructor's Manual				
Pearson / Prentice Hall (Interim 1 - 2004)	<b>The AutoCAD Book: Drawing, Modeling and Applications Using AutoCAD 2002</b>	<b>Kirkpatrick</b>	<b>2002</b>	<b>9-12</b>	
	Key Features: Complete revision or modification of many exercises. Keeps material up to date and gives students experience with drawings that use AutoCAD 2002 commands effectively. Modification of problems throughout—Reflects new commands in Release 2002. Coverage of AutoCAD 2002 3D Orbiter and its options. Helps students maximize the benefits of the new release of AutoCAD. A wealth of pedagogical aids—e.g., chapter objectives and review questions. Gives students an outline of skills to be mastered and helps them assess their mastery of the material.				
	Instructor's Manual				
Pearson / Prentice Hall (Interim 1 - 2004)	<b>Instant Design: Fundamentals of Autodesk Inventor 7</b>	<b>Ethier/Ethier</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Brief hands-on labs, included throughout each chapter, are unique, integrated, learner-friendly files specially designed for the text to help students reinforce newly-learned topics. An integrated CD-ROM Learning Assistant includes comprehensive practice for all concepts presented in the text; exercises, template files, and 3D models help students to practice the skills presented in the text and to complete useful drawings.				
	Instructor's Manual				
Pearson / Prentice Hall (Interim 1 - 2004)	<b>Instant Design: Fundamentals Using Autodesk Inventor 6</b>	<b>Ethier/Ethier</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: User-friendly, instructional framework—Includes list of key ideas found in the coming chapters; stylized print to emphasize key concepts; hundreds of visual aids to clarify discussions; tip boxes that offer useful insights into the program; clear, concise command sequences. Brief hands-on labs—Included throughout each chapter are unique, integrated, learner-friendly files specially designed for the text. Helps students reinforce newly-learned concepts. A Testing...Testing...1, 2, 3 section—At the end of each chapter. Features fill-in-the-blank, true/false, multiple-choice, and matching questions. Allows the user to check his/her understanding of chapter material.				
	Instructor's Manual				
Pearson / Prentice Hall (Interim 1 - 2004)	<b>AutoCAD 2002: One Step at a Time Basics</b>	<b>Sykes</b>	<b>2002</b>	<b>9-12</b>	
	Key Features: NEW – Content changes that reflect the AutoCAD 2002 upgrade—Includes material for the new AutoCAD user interface, Internet tools, upgrades to existing commands, as well as new problems and new chapters on PaperSpace, Xrefs, OLE, dbConnect, Gives students access to the latest information available on AutoCAD. Over 800 new graphics added to the 1,800 found in the previous edition. Supports text instructions with a generous use of detailed screen shots, actual drawings, and helpful graphics that appeal to students. 190 “Do This” guided exercises—Divided into three columns: <i>Steps</i> , <i>Command Sequence</i> , and <i>Tools</i> . Gives students step-by-step instructions that explain the task, show it being done, and any tools that might make it easier—along with how the results of the task should appear on the computer screen. Frees instructors from instructional chores so that they can focus on other areas of student development. Exercises are derived from a variety of disciplines—including architecture, petrochemical, mechanical, electrical decorating, and more. Prepares students for a wide range of work experiences.				
	Instructor's Manual				
Pearson / Prentice Hall (Interim 1 - 2004)	<b>Architectural Desktop 3.0/3.3</b>	<b>Madsen</b>	<b>2003</b>	<b>9-12</b>	
	Key Features: Includes explanations of the Mass Model, Space Planning, and Virtual Building concepts. Keeps students up to date on the latest features of this industry-standard software including working on and plotting multiple drawings on a single screen, right click contextual menus, etc. Curtain Walls, Curtain Wall Units, Window Assemblies, and Live Section Display. Gives students practice in understanding these and other new Architectural Desktop features. Full explanations and exercises are shown.				
	Instructor's Resource Manual				
Pearson / Prentice Hall (Interim 1 - 2004)	<b>The Science of Electronics: DC/AC</b>	<b>Floyd/Buchla</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: The best illustrated book available with a supported companion website. Fully integrated Multism (2001 and NEW 7.0 vrs.) circuit simulations throughout text. Chapter Objective and Key Terms identified in chapter opener and reinforced throughout text.				
	DC/AC Teacher's Edition				

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<b>Pearson / Prentice Hall</b> (Interim 1 - 2004)	<b>The Science of Electronics: Analog Devices</b>	<b>Floyd/Buchla</b>	<b>2005</b>	<b>9-12</b>	
	Key Features: Up-to-date coverage of the basics of semiconductor devices and circuits, as well as operational amplifiers and other types of modern analog integrated circuits. Science Highlights—Introduce each chapter. Provides a look at scientific advances in an area that is closely related to the coverage in that chapter. Provides students with a link between science and digital technology. Extensive pedagogy—Includes chapter review and problems, key terms, a glossary, important facts, formulas, chapter check-up questions, and two levels of problems; basic and basic plus.				
	Analog Teacher's Edition				
<b>Pearson / Prentice Hall</b> (Interim 1 - 2004)	<b>The Science of Electronics: Digital</b>	<b>Floyd/Buchla</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Up-to-date coverage of digital logic fundamentals. Science Highlights—Introduce each chapter. Provides a look at scientific advances in an area that is closely related to the coverage in that chapter. Provides students with a link between science and digital technology. Extensive pedagogy—Includes chapter review and problems, key terms, a glossary, important facts, formulas, chapter check-up questions, and two levels of problems: Basic and basic plus.				
	Digital Teacher's Edition				
<b>Pearson / Prentice Hall</b> (Interim 1 - 2004)	<b>Refrigeration and Air Conditioning: An Introduction to HVAC/R</b>	<b>Jeffus</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Text and lab manual mirror the A.R.I. national curriculum guidelines and I.C.E. certification test requirements. Information has been gathered from technicians and industry leaders from various regions—To more broadly represent the HVAC/R industry around the country. Tech tips and tech talk sections in each unit. Gives both the student and technician a valuable resource and insight into the real world of the HVAC/R industry.				
	Instructor's CD				
<b>Pearson / Prentice Hall</b> (Interim 1 - 2004)	<b>Blueprint Reading for the Machine Trades</b>	<b>Schultz</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Provides students with the most up-to-date and current material. Builds students' confidence in learning new concepts and actively applying them to blueprints. Numerous math problems are added throughout. Text begins with very basic vocabulary, and works up to very advanced and complex terminology used on the shop floor. One concept is introduced at a time each new aspect of print reading is first introduced fully explained before it is presented on prints. Mathematical problems are introduced and explained as material becomes more complex. Text enables students to appreciate the part that mathematics plays in the shop process.				
	Instructor's Manual				
<b>Pearson/Prentice Hall</b>	<b>Modern Welding</b>	<b>Walker</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: No Brief Form provided for information.				
	<b>Basic Drafting Using Pencil Sketches and AutoCAD - Student Edition</b>	<b>Kirkpatrick</b>	<b>2003</b>	<b>9-12</b>	
	Key Features: Intended for beginning course in Technical Drafting; Basic Drafting, Engineering Graphics, and Beginning AutoCAD. Materials use keyboard commands, provides all grid paper and guidelines in an easy-to-follow direction format so the students can focus on drafting skills and not be tied to a specific release of AutoCAD. Complies with all versions of AutoCAD up to 2002. Numerous figures and illustrations along with chapter reviews and practice exercises help students focus on learning the skills needed and master them.				
	Instructor's Manual				
	<b>Technical Drawing - Student Edition (High School Binding)</b>	<b>Giesecke</b>	<b>2003</b>	<b>9-12</b>	
	Key Features: New sections on using the Internet in graphics, electronic drawings, design sections. Key drawings in color; step-by-step explanations of procedures keep students focused. Intended for courses in which graphics and design functions or AutoCAD are taught.				
	Instructor's Manual				
	<b>Automotive Technology: Principles, Diagnosis, and Service</b>	<b>Halderman</b>	<b>2003</b>	<b>9-12</b>	
	Key Features: Intended for automotive courses that reflect the workplace skills needed in the automotive service industry. A comprehensive and updated text with CD-ROM that provides a general introduction to automotive services and guides students through the eight areas of ASE Certification. I/M 240 navigational system reformulated gasoline coverage, automatic and manual transmissions covered extensively. Easy-to-read instructional chapters with full color throughout, troubleshooting charts at end of each service chapter to help students remember procedures.				
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<b>Pearson/Prentice Hall</b>	<b>Mathematics for Technical and Vocational Students - Student Edition</b>	<b>Boyce</b>	<b>2000</b>	<b>9-12</b>	
	Key Features: Intended for courses in which an introduction to arithmetic, algebra, and trigonometry for technical trade students would be beneficial. Guides students gradually from elementary math to more current real-world applications with a wealth of problems for class work and self-study. Students may reinforce and challenge their knowledge with self-tests at end of most chapters as well as use the selected problem answers in the back of the book.				
	Solutions Manual				
	<b>Introductory DC/AC Electronics – 5/E Student Edition with CD-ROM</b>	<b>Cook</b>	<b>2002</b>	<b>9-12</b>	
	Key Features: Intended for use in DC/AC courses and may be appropriate for Devices (electronics) courses. Circuit simulation CD-ROM provides students with circuits from the text in Electronics Workbench. Mini-math reviews help students review and reinforce math concepts needed for such topics as component testing, circuit troubleshooting, and equipment operation as done in the work world. Reference sheets and glossary guide the students for new terms and review as they follow the step-by-step examples.				
	Instructor's Manual				
	Instructor's Answer Key				
	<b>Core Curriculum</b>	<b>NCCER</b>	<b>2000</b>	<b>9-12</b>	
	Key Features: Introduction to basic construction skills and safety. Modular format has review questions in each section of each module. Real life examples of applied skills are integrated throughout. Career profiles of successful industry persons are included as career path examples. Reading level is 8 <sup>th</sup> grade.				
	Annotated Instructor Guide and Test Booklet				
	<b>Carpentry Level One Trainee Guide</b>	<b>NCCER</b>	<b>2001</b>	<b>9-12</b>	
	Key Features: First course in Carpentry: Orientation and skills. Modular Format with review questions in each module. Real life examples of applied skills and safety situations integrated throughout. Review questions and glossaries of terms for each module.				
	Annotated Instructor Guide and Test Booklet				
	<b>Carpentry Level Two Trainee Guide</b>	<b>NCCER</b>	<b>2001</b>	<b>9-12</b>	
	Key Features: Second course in Carpentry skills with emphasis on foundations. Modular Format with review questions in each module. Real life examples of applied skills and safety situations integrated throughout. Review questions and glossaries of terms for each module.				
	Annotated Instructor Guide and Test Booklet				
	<b>Residential Carpentry I Student Guide</b>	<b>NCCER</b>	<b>2003</b>	<b>9-12</b>	
	Key Features: First course in Residential Carpentry: Orientation and skills for forming and framing. Modular Format with review questions in each module. Real life examples of applied skills integrated throughout. Glossaries of terms and review questions for each module.				
	Annotated Instructor Guide and Test Booklet				
	<b>Residential Carpentry II Student Guide</b>	<b>NCCER</b>	<b>2003</b>	<b>9-12</b>	
	Key Features: Second course in Residential Carpentry covering finish and trim work. Modular Format with review questions in each module. Real life examples of applied skills integrated throughout. Review questions and glossaries of terms for each module.				
	Annotated Instructor Guide and Test Booklet				
	<b>From the Ground Up: Class Projects for Framing and Finishing- Student Workbook</b>	<b>NCCER</b>	<b>2003</b>	<b>9-12</b>	
	Key Features: Carpentry projects book as supplement to Residential carpentry I and II by NCCER. Each chapter is a carpentry project. Skills USA projects are included. Written directions, tools lists, materials lists, cost lists, drawings and photos help guide student through project. Activities and review questions reinforce tasks learned.				
	Instructor Package				
	<b>Construction Technology Trainee Guide, Four Volume Package</b>	<b>NCCER</b>	<b>2002</b>	<b>9-12</b>	
	Key Features: Part of full course to introduce careers in the construction industry and craft skills. Four volumes include: Exploring Careers in Construction – industry overview and career descriptions; Core Curriculum – basic orientation to construction and craft skills; Construction Technology Volume One and Two – composite of modules from several crafts to give students a brief exposure to a variety of skills.				
	Instructor Guide Package				

**Professional Technical**  
**Trade & Industry**  
Grade 7 - 12

Contract Period 8/31/04 – 9/1/08

<b>Publisher</b>	<b>Title of Material</b>	<b>Author</b>	<b>Copyright</b>	<b>Grade Level</b>	<b>R=Resource</b>
<b>Pearson/Prentice Hall</b>	<b>AWS Entry Level Welder Bundle, Volume One and Two, Trainee Guide Package</b>	<b>NCCER</b>	<b>2000</b>	<b>9-12</b>	
	Key Features: First course in welding skills. Modules in suggested sequence of American Welding Society. Real life examples of applied welding skills, basic safety, and construction math. Review questions and trade terms for each module.				
	AWS Entry Level Welder Instructor Guide				
	<b>Tools for Success: Soft Skills for the Construction Industry</b>	<b>NCCER</b>	<b>2000</b>	<b>9-12</b>	
	Key Features: Supplement or separate course to complement construction craft courses. Learn employability skills in demand by employers. Workbook style in modular format and geared to the construction industry. Self-assessment quizzes begin modules and “on the Job” quizzes help students apply what they have learned. Activities and Group Activities give practice in soft skills.				
<b>Thomson/Course Technology</b>	<b>A+ Guide to Hardware: Managing, Maintaining, Troubleshooting</b>	<b>Andrews</b>	<b>2003</b>	<b>9-12</b>	
	Key Features: Designed to teach the fundamentals of supporting and troubleshooting computer hardware. This guide maps fully to the 2003 A+Core Hardware certification exam. Includes coverage on P4 motherboards, notebooks, printers, PDAs, wireless devices, and network technology and devices. Maps fully to CompTIA’s 2003 A+ Core Certification Exam and is CAQC approved. CoursePrep A+ test preparation software mimics the exam environment and is included on CD (Available 90 days after the exam release).				
	Instructor’s Resource Kit				
	<b>A+ Guide to Software: Managing, Maintaining, Troubleshooting</b>	<b>Andrews</b>	<b>2003</b>	<b>9-12</b>	
	Key Features: Written expressly for the classroom, this guide has been thoroughly updated for today’s technologies and is designed to prepare students to pass the 2003 A+ OS Technologies certification exam and master PC Repair. A+ certification icons highlight all material related to the exams so you can pay close attention to the pertinent information. A+ Table of Contents provides quick reference to all of A+ material. Includes chapter on each major operating system – Windows X_, 2000, NT, and 9x, and features coverage on DOS, Linux, Mac, UNIX, and Windows on a network and on the Internet.				
	Instructor’s Resource Kit				
	<b>Network + Guide to Networks</b>	<b>Dean</b>	<b>2002</b>	<b>9-12</b>	
	Key Features: Designed to prepare users for CompTIA’s Network+ certification exam, this text is also an excellent general networking book covering networking hardware and software and soft skills necessary to provide service to internal and external customers. Prepares individuals for CompTIA’s revised Network+ Certification Exam with extensive coverage of exam objectives. Vendor-neutral coverage helps students develop a solid understanding of fundamental networking concepts. Features extensive end-of-chapter review questions, hands-on projects, and in-depth case projects so skills can be practiced as they are learned.				
	Instructor’s Resource Kit				
	<b>Guide to Telecommunications Technologies</b>	<b>Dean</b>	<b>2003</b>	<b>9-12</b>	
	Key Features: Comprehensive introduction to Telecommunications provides in-depth explanations of transmission technology, media, topology, protocols, hardware, signaling, switching, and multiplexing. It includes a survey of the current industry and regulatory environments surrounding telecommunications. This text will focus on the concepts of telecommunications and will include practical hands-on projects when applicable.				
<b>Thomson/Delmar</b>	<b>Automotive Service: Inspection, Maintenance &amp; Repair, 2/Ea</b>	<b>Gilles</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Intended for beginning automotive technicians, automotive repair shop employees. Chapters provide access to must-know information about exciting technologies that are revolutionizing the automotive service industry including: revolutionary on-board diagnostics, anti-lock brakes, state-of-the-art traction control, the latest in comfort and safety systems. Attention-grabbing science, math, computer, and history notes showcase the relevance of applied academics in the careers of today’s successful automotive service technicians.				
	Instructor’s Manual				
	<b>Automotive Technology: A Systems Approach, 3/E</b>	<b>Erjavec</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Comprehensive textbook covering the theory of operation, diagnostics, and repair procedures for each system and subsystem of late model domestic and foreign automobiles and light trucks. Expanded coverage of diagnostic equipment including scan tools and lab scopes. Engine performance sections include separate chapters on theory and diagnostics/service.				
	Instructor’s Manual				



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<b>Thomson/Delmar</b>	<b>Auto Body Repair Technology, 4/E</b>	<b>Duffy</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Discussion of software and hardware commonly available in modern collision repair shops prepares technicians to access service information and specifications quickly and efficiently using a personal computer. Individual chapters detail the skills and methods required to apply plastic body filler; remove, align, or install body panels; make repairs to doors, windshields, and interior trip, seats, dash panel, carpeting and more.				
	Instructor's Manual				
	<b>Architectural Drafting and Design, 4/E</b>	<b>Jefferis</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Readers are challenged to think through and solve numerous design problems while adhering to the latest International Building Code; meeting requirements of the Americans with Disabilities Act; taking into account the latest NDS wood design standards; and considering the growing popularity of engineered lumber and steel construction. Expanded coverage of CADD and freehand sketching techniques that may be applied to solve real-world drafting and design problems presented in the book and also be used to develop critical skills.				
	Solutions Manual				
	<b>Engineering Drawing and Design</b>	<b>Madsen</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Coverage of geometric dimensioning and tolerancing (GD&T) has been updated to ANSI Y14.5, enabling readers to prepare drawings from sketches that meet the latest standards. Furnishes instructors with ready-to-use PowerPoint slides, teaching tips for each chapter and a computer test bank.				
	Solutions Manual				
	<b>Handbook of Photography</b>	<b>Folts</b>	<b>2002</b>	<b>9-12</b>	
	Key Features: Designed to teach those who have never used a camera how to take photos, develop film and make prints. "What can go wrong" sections in every chapter offer explanations and provide troubleshooting tips. "Review Questions" and "Lab Suggestions" provide comprehensive and helpful information for the reader. The latest information on digital photography makes this book an excellent resource for those who are new to photography.				
	Instructor's Manual				
	<b>Residential Construction Academy, Carpentry, 1E</b>	<b>Vogt</b>	<b>2003</b>	<b>9-12</b>	
	Key Features: Introduces users to skills and information required to work professionally on any job site. Loaded with hands-on "Procedures: located at the ends of chapters making it easy to review skills and techniques. "From Experience" boxes highlight proven methods used by carpentry pros to get the job done right and on time.				
	Instructor's Resource Guide				
	<b>Masonry Skills, 5E</b>	<b>Kreh</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Information is organized into short, easy-to-read sections with related math checkpoints included at the end of units as needed making the book ideal for beginners and pros alike. Safety on the job is now introduced at the beginning of the book and underscored by references to OSHA requirements for masonry safety practices that appear throughout the book.				
	Instructor's Manual				
	<b>Electrical Wiring Residential, 14E</b>	<b>Mullin</b>	<b>2002</b>	<b>9-12</b>	
	Key Features: Features hundreds of examples, calculations, plus full-color wiring diagrams, illustrations, and photos while conforming to the 2002 National Electrical Code. Complete set of full-size house plans allows readers to gain hands-on experience laying out wiring for receptacles, switches, lighting outlets, and appliances and making service entrance calculations. Comprehensive Code Cross-Index allows readers to look up information by CEC section number facilitating use of the book as a reference by professional electricians, contractors, and inspectors.				
	Instructor's Manual 14E				
	<b>Plumbing Technology, Design and Installation, 3E</b>	<b>Smith</b>	<b>2001</b>	<b>9-12</b>	
	Key Features: Introduces readers to all aspects of the commercial and residential plumbing trade including home building. Provides in-depth coverage of all aspects of commercial and domestic plumbing design and installation plus discussion of all current codes. Detailed explanation of hands-on methods applied to plumbing tasks ensures that readers learn both the "why" and "how" of first-rate plumbing design and installation.				
	Instructor's Manual				

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<b>Thomson/Delmar</b>	<b>Welding Principles and Applications, 5 E</b>	<b>Jeffus</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: New coverage of metal-cored wires and self-shielding in flux cored arc welding and updated information on joint design, symbols, and fabrication reflects the latest trends. "Applied Academics" sections provide opportunities to develop math, science, communication, and interpersonal skills as they relate to the welding field. Boxed articles at the end of each chapter showcase real-life applications of the principles presented maintaining reader interest while bridging the gap between theory and practice.				
	Instructor's Manual				
<b>Thomson/ South-Western</b>	<b>Multimedia and Image Management</b>	<b>Lake</b>	<b>2004</b>	<b>9-12</b>	
	Key Features: Multimedia and Image Management prepares students for a business world in which they will be expected to use business-standard software applications and to complete projects and solve problems. The applications will include word processing, presentation, digital photography, image manipulation, animation, and speech recognition. Electronic links on the Instructor's Resource CD allows easy maneuverability through files.				
	Instructor's Resources CD				
<b>Thomson/ Wadsworth</b>	<b>Video Basics</b>	<b>Zettl</b>	<b>2001</b>	<b>9-12</b>	
	Key Features: Intended for the basic video production or television production course which may be titled Television Production or Video Production. Acquaints students with scripts and their importance in television and video production.				
	Instructor's Manual				